Each

Dart Aerospace Ltd. Friday, 9/14/2007 2:01:51 PM Date: Kim Johnston User **Process Sheet** : CROSSTUBE EXTRUSION (206L) : CU-DAR001 Dart Helicopters Services **Drawing Name** Customer Job Number : 34685 : 10027 **Estimate Number** : D6004115 **Part Number** P.O. Number : NA S.O. No. : NA · D6004 REV A : 9/14/2007 **Drawing Number** This Issue : NC : Project Number : N/A Prsht Rev. : A : RMA **Drawing Revision** Type First Issue Material Previous Run 36 Um: Qty: **Due Date** Written By Checked & Approved By 00.12.15 Added: Issue P/O EC Comment **Additional Product** Job Number: Description: Seq. #: Machine Or Operation: **PURCHASING** 1.0 Comment: PURCHASING CL07/09/18 4611 Issue P/O a) Extrude as per Dwg D6004 b) Material: 7075-T6/T6511 (WW-T-700/7 or QQ-A-225/9 or QQ-A-200/11) seamless aluminum tube c)Minimum ultimate tensile strength = 77 ksi d)Minimum tensile yield strenght=66 ksi e)Material certification required D6004115P Crosstube material 2.0 Comment: Qty.: 1.0000 Each(s)/Unit Total: 36.0000 Each(s) Crosstube material PACKAGING 1 PACKAGING RESOURCE #1 3.0







Comment: PACKAGING RESOURCE #1

Receive & Inspect For Transit Damage Ensure material certification is attached



4.0 QC6



Comment: DIMENSIONAL CHECK

Ensure Material certification comply to Dwg D6004



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W/O:			WC	ORK ORDER CHANGES	S			· · · · · · · · · · · · · · · · · · ·
DATE	STEP	PR	NGE	Ву	Date Qt	Approval Chief Eng / Prod Mgr	Approva QC Inspecto	
Part No):	PAR #:	Fault Cate	gory:	_			•
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		Description of NC		 В	Varification			
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NOTE: Date & initial all entries

Friday, 9/14/2007 2:01:51 PM Date: Kim Johnston User: **Process Sheet** Drawing Name: CROSSTUBE EXTRUSION (206L) Customer: CU-DAR001 Dart Helicopters Services Part Number: D6004115 Job Number: 34685 Job Number: Description: Seq. #: Machine Or Operation: HAND FINISHING1 HAND FINISHING RESOURCE #1 5.0 Comment: HAND FINISHING BESOURCE #1 Chemical Conversion Coat as per QSI 005 4.1 PACKAGING RESOURCE #1 6.0 Comment: PACKAGING RESOURCE #1 Identify and Stock Location: MAT-24 FINAL INSPECTION/W/O RELEASE 7.0 Comment: FINAL IN SPECTION/W/O RELEASE 2008/1/16 Job Completion

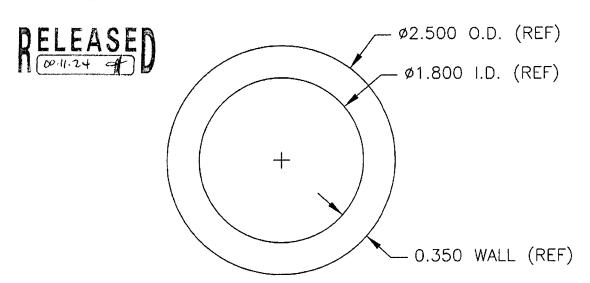
W/O:			WORK ORDER CHANGES												
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DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Action Descri	Section B ption	Sign &	Verific Secti		Approval Chief Eng	Approval QC Inspector					
NOTE: Da	ate & initia	al all entries								·					

H:\fFORMS\Quality Assurance\approved QA\NCRWO RevD



	DESIG	n co	DRAWN BY	DART AEROSPACE L HAWKESBURY, ONTARIO, CANADA	TD
i	CHECK	KED _	APPROVED	DRAWING NO.	REV. A
		4	H	D6004 s	SHEET 1 OF 1
	DATE			TITLE	SCALE
	00.1	1.22		CROSSTUBE MATERIAL	1:1
	Α		00.11.22	NEW ISSUE	

SPECIFICATION CONTROL DRAWING



NOTES

1) D6004-XXX CROSSTUBE LENGTH

WHERE XXX IS LENGTH IN INCHES EG. 115" LONG TUBE: D6004-115

2) MATERIAL: 2.500 OD \times 0.350 WALL 7075-T6/T6511 (WW-T-700/7 OR QQ-A-225/9 OR QQ-A-200/11) SEAMLESS ALUMINUM TUBE.

MINIMUM ULTIMATE TENSILE STRENGTH = 77 ksi MINIMUM YIELD TENSILE STRENGTH = 66 ksi

3) TOLERANCES ARE PER ASTM B210 AS FOLLOWS:

O.D.: \pm 0.006 MEAN (\pm 0.012 INCLUDING OVALITY)

WALL: ±0.015 MEAN (±0.035 INCLUDING ECCENTRICITY)

LENGTH: XXX + 0.125/-0.000

STRAIGHTNESS: 0.010" DEVIATION / 12" LENGTH

SHOP COPY RETURN TO

NO. =

4) EXTREME CARE MUST BE TAKEN TO PROTECT THE OUTSIDE SURFACE OF THE TUBENGINFHEING OUTSIDE SURFACE MUST BE SMOOTH AND FREE FROM SURFACE DEFECTS SUCH ANTROLLED COPY SCRATCHES, NICKS, OR DENTS. DEFECTS UP TO 0.005" MAY BE BLENDED OUT SUBJECT TO AMENDMENT LONGITUDINALLY. CIRCUMFERENTIAL GRIND MARKS ARE UNACCEPTABLE.

5) CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

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BA TUBES LIMITED

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Approved Certificate According to EN10204:2004 3

For all Customer and 3rd Party approvals visit www.batubes.com

No. C/15'

The state of the s			Other Tests Passed	
Customer	Your Order No	PO00004611		
DART AEROSPACE LIMITED	Your Part No	D6004-115P		
1270 ABERDEEN STREET	Our Order No	94945/2		
HAWKESBURY	Packing Note No	151441		
ONTARIO	Date	30/11/07		
CANADA	Packages	1 CASE		
K6A 1K7 Size / Description SEAMLESS DRAWN TUBE 2.5 INS O/D 0.35 INS W/T 7075 Alloy	Specification 7075 T6 WW-T-700/7B		·	

Length - 115.08 inches				WW-T-700/7B										 		
Lengui	113.00 110	Tensile Test				Chemical Analysis %										
No of Pieces	Nett Weight Lbs	Test No	0.2% Proof Stress KSI	Tensile Strength KSI	% Elongation 2in	Heat or Gast No	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Zr	Ti
18	496	331212 LO		77.3	14	2N267	.09	.26	1.53	.04	2.58	.19	.01	5.85).
21		331214 LO	67.9	78.2	13	2N267	.09	.26	1.53	.04	2.58	.19	.01	5.85	.01).
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Remarks

CASE NO.12976

ALLOY MELTED IN THE UNITED KINGDOM

In accordance with the RoHS directive, certify that the above mentioned produc contain banned or relevant substances

Mercury Free.

Mr Terry Layton For and on behalf of BA Tubes

Authorised Inspection Representative

Registered in England No. 3991395 Registered Office: The Victoria, 160-182 Harbour City Salford Quays, Salford, M50 36P, England. VAT Registration No. GB 668 2142 26



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